

App. Control No. 09/209,706

CLEAN VERSION OF AMENDED CLAIMS

D2

54. A method according to claim 99 wherein the coating is formed directly on the substrate surface.

D3

56. A method according to claim 99 wherein the substrate comprises a substantially cured elastomeric material.

D4

59. A method according to claim 99 wherein step (a) occurs at room temperature.

60. A method according to claim 99 wherein step (a) comprises applying a catalyst onto the substrate surface.

D5

65. A method according to claim 99 wherein the catalyst is selected from at least one of a rhenium compound, ruthenium compound, osmium compound, molybdenum compound, tungsten compound, titanium compound, niobium compound, iridium compound and $MgCl_2$.

D6

71. A method according to claim 99 wherein the catalyst is stable in the presence of moisture and oxygen and can initiate polymerization of the metathesizable material upon contact at room temperature.

72. A method according to claim 99 wherein the metathesizable material includes at least one reactive unsaturated functional group.

D7

75. A method according to claim 99 wherein the metathesizable material comprises a cycloolefin.

D8

79. A method according to claim 99 wherein the metathesizable material is in the form of a liquid.

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80. A method according to claim 99 wherein the metathesizable material is a component of a multi-component composition.

81. A method according to claim 99 wherein the catalyst is applied in the form of an aqueous solution or mixture and the metathesizable material is applied in the form of a liquid that is substantially 100 percent reactive.

82. A method according to claim 99 wherein the method is substantially free of the use of volatile organic solvents.

83. A method according to claim 99 wherein step (a) comprises applying a ruthenium catalyst in a liquid carrier to the substrate surface and step (b) comprises applying a metathesizable liquid norbornene monomer to the catalyst-applied substrate surface.

D 9

93. A method according to claim 99 wherein step (b) comprises contacting the substrate surface multiple times with the metathesizable material so as to form multiple coating layers.

D 10 SUB
E 7

99. A method for providing a coating on a substrate surface comprising: (a) providing a metathesis catalyst at the substrate surface; and subsequently (b) contacting said catalyst on the substrate surface with a coating by printing, spraying, dipping, brushing, wiping, or roll coating of a material that undergoes a metathesis reaction, and (c) forming a coating on said substrate surface from the product of said metathesis reaction.

D 11 SUB
E 7

104. A method for providing a coating on the outermost portion of a substrate, said coating is uniform, conforming to the outermost surface of said substrate, said method comprising: (a) providing a metathesis catalyst at the substrate surface; and subsequently (b) contacting the catalyst on the substrate surface with a material that undergoes a metathesis reaction to form a coating of the product of said metathesis reaction on said substrate.

D 12

106. A method according to claim 99 wherein the coating has a thickness that is less than the thickness of the substrate.